



State Revolving Fund Loan Program
an Indiana Finance Authority Environmental Program

100 North Senate Avenue, Room 1275
Indianapolis, Indiana 46204
www.srf.in.gov

MEMORANDUM

TO: Official Loan File

FROM: Amanda Rickard

DATE: August 17, 2012

RE: Green Project Reserve (GPR) Business Case
Town of Battle Ground
Wastewater Treatment Plant Rehabilitation
SRF Project WW 10 08 79 01

Battle Ground proposes to rehabilitate and expand their WWTP rating from 0.26 to 0.38 MGD. In order to do this, and to improve operations to bring the facility into compliance, the project includes a new primary screening structure, new aeration splitter box, new aeration tank wall repair and height increase, new aeration blower, two new final clarifiers, combined RAS/WAS pump station, new UV disinfection system, new effluent metering system, new post-aeration structure, close and fill polishing pond, replace existing effluent line/outfall, remodel blower building, upgrade laboratory building, new grinder pump station at the lab building, two new emergency generators, and a new dump facility with wash area and drain. The project addresses part of Battle Ground's Agreed Order with IDEM.

Battle Ground's new UV disinfection system will result in a reduction of the amount of chemicals released into Burnet's Creek, and is therefore considered environmentally innovative. The business case provided by Butler Fairman and Seufert was reviewed and found to meet the GPR requirements for the environmentally innovative category.

The proposed RAS/WAS pumps incorporate VFD drives resulting in energy savings. The payback period of the RAS/WAS pumps is 6 years, which is less than the useful life of the equipment. The business case provided by Butler Fairman and Seufert was reviewed and found to meet the GPR requirements for the energy efficiency category.

The total GPR cost is \$151,550. Of this, the construction cost based on bids is \$137,775, and engineering cost is \$13,775.

Battle Ground closed an SRF loan in the amount of \$2,825,000 on June 21, 2012.

